

Title (en)

Method and apparatus for treating flue gases.

Title (de)

Verfahren und Vorrichtung für die Behandlung von Rauchgasen.

Title (fr)

Procédé et dispositif pour le traitement de fumées.

Publication

EP 0013299 A1 19800723 (EN)

Application

EP 79104059 A 19791019

Priority

US 97117578 A 19781220

Abstract (en)

A method and apparatus for treating the flue gas, which is produced as a by-product of the combustion process that takes place during the course of the operation of a fossil fuel-fired steam generation unit. In accordance with the subject method and apparatus, the flue gas is made to pass through an air quality control system embodying a particular arrangement of scrubber means and spray tower means, before the flue gas is released to the atmosphere. The treatment of the flue gas consists of feeding the flue gas (14) to the inlet (12) of the air quality control system (10), passing the flue gas through spray tower means (22) to effect the removal of sulfur therefrom, effecting a first change in the direction of flow of the flue gas through the air quality control system, effecting a second change in the direction of flow of the flue gas through the air quality control system, passing the flue gas through rod scrubber means (40) to effect the removal of entrained particulates therefrom, from the rod scrubber means passing the flue gas through a dropout section (36) to encourage agglomerates to fall out, effecting a third change in the direction of the flue gas through the air quality control system, passing the flue gas through a bulk entrainment separator and demister means (48) to effect the removal of entrained fine water droplets therefrom, and exhausting the flue gas from the air quality control system (50).

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IPC 8 full level

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CPC (source: EP)

B01D 47/06 (2013.01); **B01D 50/00** (2013.01); **F23J 15/04** (2013.01)

Citation (search report)

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DE NL SE

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EP 0013299 A1 19800723; **EP 0013299 B1 19831102**; CA 1127067 A 19820706; DE 2966371 D1 19831208; JP S5586517 A 19800630; JP S5786615 U 19820528

DOCDB simple family (application)

EP 79104059 A 19791019; CA 336206 A 19790924; DE 2966371 T 19791019; JP 14353581 U 19810929; JP 16418579 A 19791219